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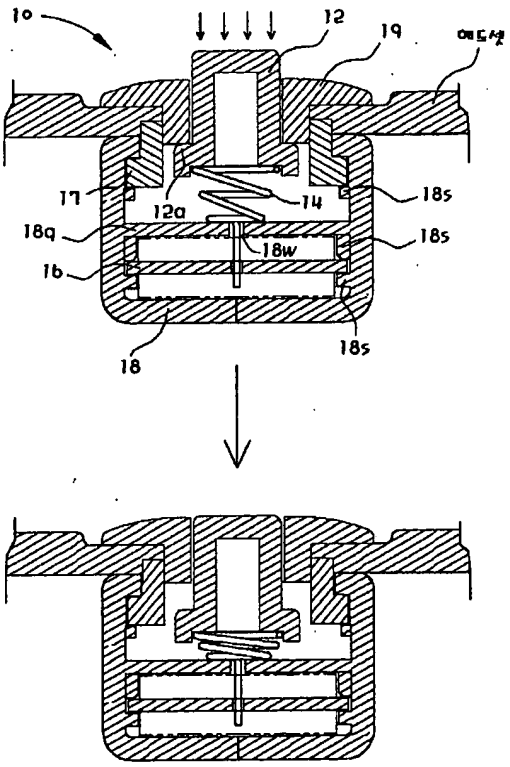
(54) Title: ACTIVE DRY SENSOR MODULE FOR MEASUREMENT OF BIOELECTRICITY



(57) Abstract: Disclosed is an active dry sensor module for measurement of bioelectricity. The active dry sensor module includes a hollow main body provided with an insertion hole formed through the upper surface thereof, a cap interlocked with the insertion hole, and provided with a uniform central internal cross section and an upper fringe protruded from the upper surface thereof; an active electrode inserted into the cap so that the active electrode is slidable, and provided with the upper surface exposed to the outside and a latching protrusion protruded from the lower part thereof and latched onto a lower end of the cap; a spring provided with one end contacting the lower part of the active electrode, installed in the main body, and electrically connected to the main body; and an amplification circuit installed in the main body, under the condition that the amplification circuit contacts the other end of the spring, for receiving and processing a biomedical signal passed through the spring. The active dry sensor module of the present invention excludes the use of a conductive gel, thereby not supplying unpleasantness and discomfort to a reagent and preventing the interference of the signal due to a noise component. Further, the active dry sensor module of the present invention amplifies the biomedical signal to a desired level, thereby precisely and easily measuring the biomedical signal.

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